

TECHNICAL DATA SHEET

Date of Issue: 2016/08/29

Cesium Hydroxide Monohydrate, purity min. 99.95 %

CAS-No.	35103-79-8
EC-No.	244-344-1
REACH No.	01-2119979562-25
Molecular Formula	CsOH • H ₂ O
Product Number	425007

APPLICATION Cesium hydroxide monohydrate acts as a base in organic synthesis.

PURITY min. 99.95 %

SPECIFICATION

Li	max. 1 ppm
Na	max. 75 ppm
K	max. 150 ppm
Rb	max. 10 ppm
Ca	max. 2 ppm
Mg	max. 1 ppm
Ba	max. 15 ppm
Sr	max. 5 ppm
Al	max. 5 ppm
Fe	max. 5 ppm
Cr	max. 1 ppm
P2O5	max. 5 ppm
SO4	max. 25 ppm

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation and its subsidiaries and affiliates. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patent.

Technical data sheets may change frequently. You can download the latest version from our website www.albemarle-lithium.com. Please contact us at www.albemarle-lithium.com/contact with questions.



Cl	max. 100 ppm
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SiO ₂	max. 25 ppm
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Deliveries are accompanied by a lot specific certificate of analysis. If any of these values is critical to your application, please let us know.

PHYSICAL PROPERTIES

Appearance	powder solid crystalline
Color	white
Melting point/ range	204 °C Method: OECD Test Guideline 102
Density	ca. 3.53 g/cm ³ Method: OECD Test Guideline 109
Bulk density	2,200 kg/m ³
Water solubility	> 1,000 g/L at 20 °C Method: OECD Test Guideline 105
Molecular weight	167.93 g/mol

HANDLING & STORAGE

Handling	Contact to skin and eyes or ingestion will cause serious caustic burns, as cesium hydroxide is an extremely strong base. Incompatible materials: acids, carbon dioxide (e.g. from air).
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TRANSPORT & PACKAGING

UN number 2682

ADR	Class: 8	PG: II	Label: 8
RID	Class: 8	PG: II	Label: 8
IMDG	Class: 8	PG: II	Label: 8
IATA_C	Class: 8	PG: II	Packing instruction (cargo aircraft): 863
IATA_P	Class: 8	PG: II	Packing instruction (passenger aircraft): 859

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Hazard pictograms



Signal Word Danger

H&P Phrases See Safety Data Sheet

Labelling The labelling is according to EU-GHS classification ((EG) 1272/2008) and may vary in other countries. Please refer to the respective Safety Data Sheet for your country.

Packaging

PE bottles or bags in drums (fiber drums, clamping ring drums, steel drums, steel drums with polypropylene inner lining). Alternative packaging on request.

OTHER INFORMATION

Further Related Safety Data Sheet
Documents

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